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# **WATER SUPPLY OUTLOOK FOR NEVADA**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**NEVADA DEPARTMENT of CONSERVATION  
and NATURAL RESOURCES  
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**FEB. 1, 1978**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.*

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE              | ADDRESS   |
|--------------------|---|
| Alaska             | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504  |
| Arizona            | Room 3008, Federal Building, Phoenix, Arizona 85025                 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217                             |
| Idaho              | Room 345, 304 N. 8th. St., Boise, Idaho 83702                       |
| Montana            | P. O. Box 98, Bozeman, Montana 59715                                |
| Nevada             | P. O. Box 4850, Reno Nevada 89505                                   |
| Oregon             | 1220 S.W. Third Ave., Portland, Oregon 97204                        |
| Utah               | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 |
| Washington         | 360 U.S. Court House, Spokane, Washington 99201                     |
| Wyoming            | P. O. Box 2440, Casper, Wyoming 82602                               |

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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## TABLE OF CONTENTS

|   |              |
|---|--------------|
| WATER SUPPLY OUTLOOK FOR NEVADA.....                  | 1, 2         |
| PROSPECTIVE WATER SUPPLY FOR NEVADA (Map).....        | 3            |
| INDEX OF NEVADA SNOW COURSES (By Basins).....         | 4            |
| WINTER SNOWPACK.....                                  | 5            |
| NEVADA STREAMFLOW FORECASTS.....                      | 6            |
| SPECIAL FORECASTS AND SOIL MOISTURE MEASUREMENTS..... | 7            |
| SNOW COURSE MEASUREMENTS.....                         | 8, 9, 10, 11 |
| PRECIPITATION MEASUREMENTS.....                       | 12           |
| SNOW PILLOW MEASUREMENTS.....                         | 13           |

LIST OF COOPERATORS.....Inside Back Cover

ALL AVERAGES ARE FOR 1958-72 PERIOD

# WATER SUPPLY OUTLOOK FOR NEVADA

PROSPECTS FOR AN ADEQUATE WATER SUPPLY THIS SEASON IMPROVED GREATLY DURING THE MONTH IN ALL PARTS OF THE STATE AND THE SIERRA'S EAST SLOPE. SNOW SURVEYS TAKEN FOR FEBRUARY 1 INDICATE SNOWPACK IN THE SIERRA'S RANGES FROM 129 PERCENT IN THE TAHOE BASIN TO 166 PERCENT IN THE WALKER BASIN. THE HUMBOLDT RIVER AND SNAKE RIVER BASINS ARE 95 PERCENT TO 110 PERCENT. ALL OTHER AREAS ARE AVERAGE OR ABOVE.

THIS YEAR'S FEBRUARY 1 SNOWPACK ON THE SIERRA'S EAST SLOPE IS THE LARGEST SINCE FEBRUARY 1, 1971.

RESERVOIR STORAGE IMPROVED SLIGHTLY DURING THE MONTH BUT THE SEVEN MAJOR RESERVOIRS SERVING THE STATE ARE STILL ONLY 28 PERCENT OF AVERAGE AS COMPARED TO LAST YEAR'S 43 PERCENT. LAKE TAHOE HAS USABLE STORAGE OF 41,000 ACRE-FEET.

## East Slope Sierra Nevada

Snow course measurements indicate an increase of water content almost three times the average for January. All of this occurred during the first 22 days of the month. The snowpack is near 90 percent of the April 1 average, the month of usual maximum water content. The February 1 snowpack is usually about 70 percent of the April 1 water content. Snowpack in the Truckee Basin is 131 percent, the Tahoe 129 percent, the Carson 146 percent and the Walker 166 percent compared to the 1958-72 February 1 average. Snowpack distribution by elevations is fairly consistent, except for the courses on the Sierra crest. These are higher percentagewise. Snowpack on the western side of the Sierra's is much higher than on the eastern side.

Streamflow forecasts are above average during the April 1 to July 31 period. They have been made with the assumption that average precipitation will occur during the remainder of the season.

Reservoir storage is still minimal. Lake Tahoe has usable storage of 41,000 acre-feet as compared to last year's 165,000 acre-feet. Storage in Stampede has been held at 31,000 acre-feet.

Boca reservoir contains 19,000 acre-feet compared to last year's 24,000 acre-feet. Lahontan reservoir contains 78,000 acre-feet, only 43 percent of average, and compares to last year's 150,000 acre-feet. Topaz and Bridgeport reservoirs have usable storage of 5,400 and 8,400 respectively, as compared to an average of 34,000 and 28,000 acre-feet.

#### Humboldt River

Snowpack conditions improved considerably during the month and are now near average in the Humboldt and its tributaries. Streamflow forecasts range from 77 percent to 109 percent, assuming average precipitation for the remainder of the season.

Reservoir storage in Rye Patch is 46,000 acre-feet as compared to last year's 104,000 acre-feet.

Continued application of conservation practices along with average precipitation will be required to have adequate water supplies.

#### Snake River

The Owyhee River and Snake River drainages have snowpacks near 110 percent. This is improved from last month. Streamflow forecasts on the Owyhee River near Owyhee, Nevada, is 82,000 acre-feet. Average precipitation is needed to sustain this forecast.

#### Northern Great Basin

The Warner mountains west of Surprise Valley have snowpacks slightly above average. Aerial marker readings along the Nevada-Oregon border indicate snowpack conditions much above average.

#### Eastern and Central Nevada

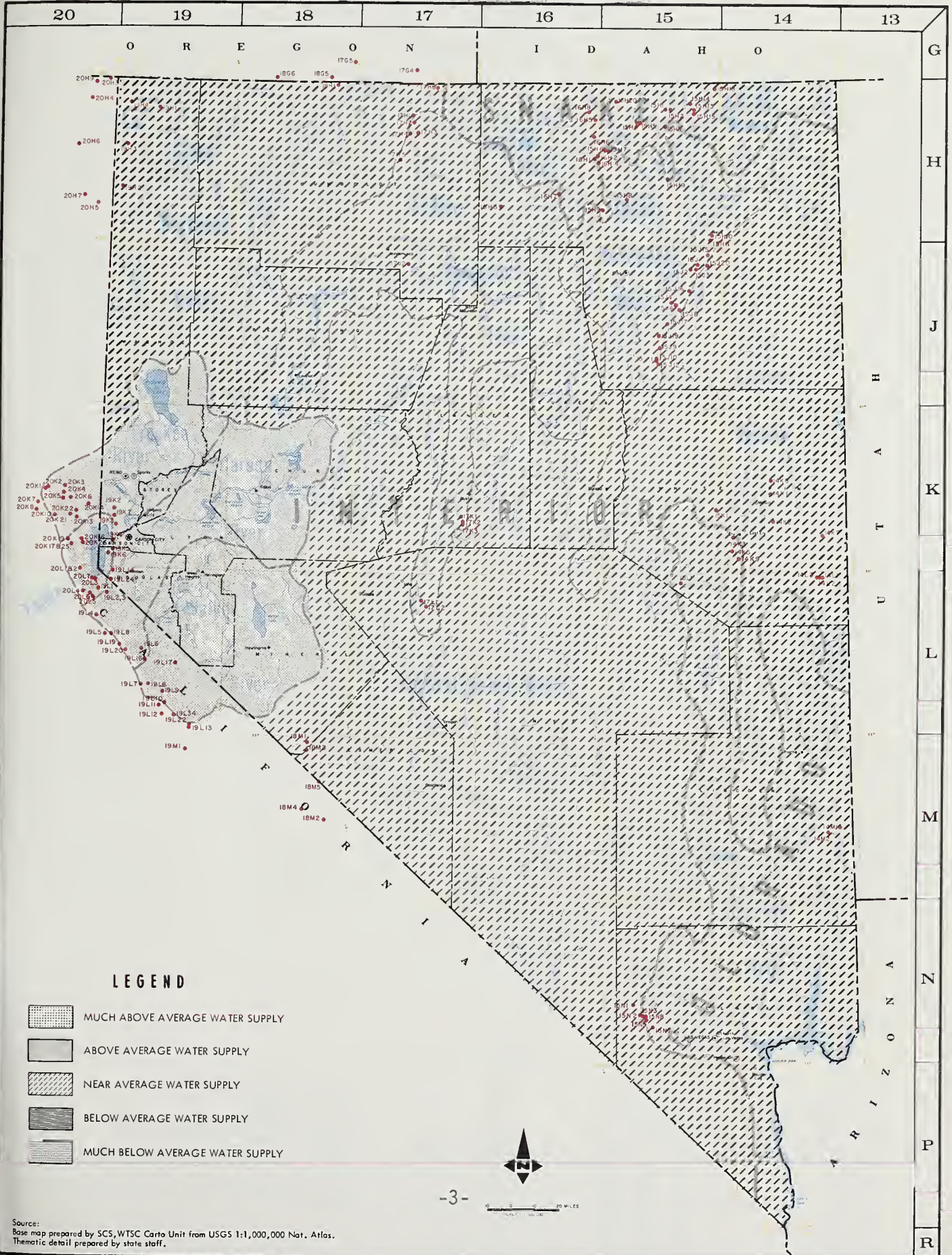
Aerial marker readings in these areas indicate slightly below average snowpack. More intensive ground readings next month will give a better account of the snowpack.

#### Lower Colorado

The Virgin River at Littlefield, Arizona is forecast for 37,000 acre-feet or 86 percent for April 1 to June 30. Snowpack conditions in the Caliente area are about 150 percent. Lake Mead contains 20,959,000 acre-feet, but considerably above the average of 17,321,000 acre-feet. Lake Mohave is 1,682,000 acre-feet for 101 percent of average.



# PROSPECTIVE WATER SUPPLY FOR NEVADA



# INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceeding page for Snow Course locations.

| NUMBER            | NAME                      | SEC. | TWP. | RGE. | ELEV. |
|-------------------|---------------------------|------|------|------|-------|
| SNAKE RIVER BASIN |                           |      |      |      |       |
| SNAKE RIVER       |                           |      |      |      |       |
| 15H15MA           | Bear Creek                | 31   | 46N  | 58E  | 7800  |
| 15H2              | Fox Creek                 | 33   | 46N  | 58E  | 6800  |
| 15H135A           | Goat Creek                | 31   | 46N  | 60E  | 8800  |
| 15H15A            | Hummingbird Springs       | 6    | 45N  | 60E  | 8945  |
| 15H20a            | Merritt Mountain          | 10   | 46N  | 54E  | 7000  |
| 15H145A           | Pole Creek Ranger Station | 13   | 46N  | 59E  | 8330  |
| 15H18a            | Red Point                 | 15   | 47N  | 61E  | 7940  |
| 15H35A            | 76 Creek                  | 6    | 44N  | 58E  | 7100  |
| 15H19a            | 5tag Mountain             | 32   | 41N  | 58E  | 7800  |

|              |                   |    |     |     |      |
|--------------|-------------------|----|-----|-----|------|
| OWYHEE RIVER |                   |    |     |     |      |
| 15H45M       | Big Bend          | 30 | 45N | 56E | 6700 |
| 16H6a        | Columbia Basin    | 31 | 44N | 53E | 6650 |
| 16H8a        | Fawn Creek        | 2  | 45N | 52E | 7000 |
| 15H5         | Gold Creek        | 32 | 45N | 56E | 6600 |
| 16H1M        | Jack Creek, Lower | 18 | 42N | 53E | 6800 |
| 16H25AM      | Jack Creek, Upper | 9  | 42N | 53E | 7250 |
| 16H45        | Jacks Peak        | 21 | 42N | 53E | 8420 |
| 16H55        | Laurel Draw       | 20 | 45N | 53E | 6700 |
| 17G4a        | Louse Canyon (OR) | 27 | 40S | 44E | 6440 |
| 15H9MP       | Taylor Canyon     | 35 | 39N | 53E | 6200 |

|                      |                    |    |     |     |      |
|----------------------|--------------------|----|-----|-----|------|
| INTERIOR             |                    |    |     |     |      |
| UPPER HUMBOLDT RIVER |                    |    |     |     |      |
| 15J17a               | American Beauty    | 32 | 31N | 58E | 7800 |
| 15J125A              | Corral Canyon      | 27 | 28N | 57E | 8500 |
| 15J15M               | Orsey Basin        | 28 | 35N | 60E | 8100 |
| 15J3                 | Ory Creek          | 5  | 34N | 60E | 6500 |
| 15H7                 | Fry Canyon         | 31 | 43N | 54E | 6700 |
| 15J95M               | Green Mountain     | 23 | 29N | 57E | 8000 |
| 15J10                | Harrison Pass #1   | 9  | 28N | 57E | 6600 |
| 15J11                | Harrison Pass #2   | 16 | 28N | 57E | 7400 |
| 15J4                 | Lamoille #1        | 15 | 32N | 58E | 7100 |
| 15J65                | Lamoille #3        | 24 | 32N | 58E | 7700 |
| 15J8P                | Lamoille #5        | 31 | 32N | 59E | 8700 |
| 15J20                | Pole Canyon #2     | 6  | 34N | 61E | 7700 |
| 15J16a               | Robinson Lake      | 23 | 33N | 59E | 9200 |
| 15H6MP               | Rodeo Flat         | 36 | 43N | 53E | 6800 |
| 15J2                 | Ryan Ranch         | 1  | 34N | 59E | 5800 |
| 15J19                | Smith Creek        | 26 | 30N | 57E | 7600 |
| 15H8                 | Tremewan Ranch     | 9  | 39N | 55E | 5700 |
| 15H10P               | Trout Creek, Lower | 28 | 37N | 61E | 6900 |
| 15H11A               | Trout Creek, Upper | 4  | 36N | 61E | 8500 |

|                      |                      |    |     |     |      |
|----------------------|----------------------|----|-----|-----|------|
| LOWER HUMBOLDT RIVER |                      |    |     |     |      |
| 17K1                 | Big Creek Campground | 10 | 17N | 43E | 6600 |
| 17K2                 | Big Creek Mine       | 23 | 17N | 43E | 7600 |
| 17K3                 | Big Creek, Upper     | 26 | 17N | 43E | 7800 |
| 17H2                 | Buckskin, Lower      | 25 | 45N | 39E | 6700 |
| 17H1                 | Buckskin, Upper      | 11 | 45N | 39E | 8200 |
| 17L1                 | Corral, Lower        | 12 | 11N | 40E | 7500 |
| 17L2                 | Corral, Upper        | 20 | 11N | 41E | 8000 |
| 17J2                 | Golconda #2          | 22 | 35N | 39E | 6000 |
| 17H4                 | Granite Peak         | 22 | 44N | 39E | 7800 |
| 17H5                 | Lamance Creek        | 13 | 42N | 38E | 6000 |
| 17H3                 | Martin Creek         | 13 | 44N | 39E | 6700 |
| 16H3AP               | Midas                | 18 | 39N | 46E | 7200 |
| 16H7a                | Toe Jam              | 29 | 40N | 50E | 7700 |

|                |                  |    |     |     |      |
|----------------|------------------|----|-----|-----|------|
| EASTERN NEVADA |                  |    |     |     |      |
| 14L1           | Baker #1         | 29 | 13N | 69E | 7950 |
| 14L2           | Baker #2         | 30 | 13N | 69E | 8950 |
| 14L3           | Baker #3         | 25 | 13N | 68E | 9250 |
| 14K25          | Berry Creek      | 26 | 17N | 65E | 9100 |
| 14K1           | Bird Creek       | 34 | 19N | 65E | 7500 |
| 14K9a          | Defiance Mines   | 9  | 14N | 63E | 9200 |
| 15J15          | Hole-in-Mountain | 6  | 35N | 61E | 7900 |
| 14K8           | Kalamazoo Creek  | 34 | 20N | 65E | 7400 |
| 14K3           | Murray Summit    | 25 | 16N | 62E | 7250 |
| 15K1           | Robinson Summit  | 34 | 18N | 61E | 7600 |
| 14K7           | Silver Creek #2  | 30 | 16N | 69E | 8000 |
| 14K5           | Ward Mountain #2 | 25 | 15N | 62E | 8900 |

|                     |                       |    |     |     |       |
|---------------------|-----------------------|----|-----|-----|-------|
| CENTRAL GREAT BASIN |                       |    |     |     |       |
| 18H2                | Campito Mountain (CA) | 19 | 55  | 35E | 10200 |
| 18M5a               | Chiatovich Flat (CA)  | 32 | 2S  | 34E | 10500 |
| 15N2                | Clark Canyon          | 6  | 19S | 56E | 9000  |
| 18M1                | Montgomery Pass       | 4  | 1N  | 33E | 7100  |
| 18M3a               | Pinchot Creek (CA)    | 28 | 1N  | 33E | 9300  |
| 18M4a               | Piute Pass (CA)       | 33 | 4S  | 33E | 11700 |
| 15N1                | Trough Springs        | 23 | 18S | 55E | 8500  |

|                      |                        |    |     |     |      |
|----------------------|------------------------|----|-----|-----|------|
| NORTHERN GREAT BASIN |                        |    |     |     |      |
| 19H1a                | Bald Mountain          | 17 | 45N | 21E | 6270 |
| 20H5                 | Barber Creek (CA)      | 23 | 39N | 16E | 6500 |
| 20H6                 | Cedar Pass (CA)        | 12 | 43N | 14E | 7100 |
| 18G6a                | Denio Creek (OR)       | 14 | 41S | 34E | 6000 |
| 18H1                 | Disaster Peak          | 8  | 47N | 34E | 6500 |
| 20H3a                | Oisnal Swamp (CA)      | 31 | 48N | 17E | 7000 |
| 20H7                 | Eagle Peak (CA)        | 35 | 40N | 15E | 7200 |
| 19H3                 | 49 Mountain            | 7  | 42N | 19E | 6000 |
| 19H2                 | Hays Canyon            | 1  | 39N | 18E | 6400 |
| 19H4a                | Little Bally Mountain  | 8  | 45N | 19E | 6000 |
| 20H9                 | Mt. Bidwell            | 6  | 47N | 16E | 7200 |
| 20H10                | North Star             | 13 | 47N | 16E | 6200 |
| 17G5a                | Oregon Canyon (OR)     | 9  | 40S | 40E | 7240 |
| 17H6a                | Quinn Ridge            | 9  | 47N | 41E | 6300 |
| 20H4                 | Reservation Creek (CA) | 12 | 46N | 15E | 5900 |
| 18G5a                | Trout Creek (OR)       | 10 | 41S | 38E | 7800 |

| NUMBER     | NAME                  | SEC. | TWP. | RGE. | ELEV. |
|------------|-----------------------|------|------|------|-------|
| LAKE TAHOE |                       |      |      |      |       |
| 20L65      | Echo Peak (CA)        | 35   | 12N  | 17E  | 7800  |
| 20L5       | Echo Summit (CA)      | 6    | 11N  | 18E  | 7450  |
| 20L105     | Fallen Leaf (CA)      | 36   | 13N  | 17E  | 6300  |
| 19L2       | Freel Bench (CA)      | 36   | 12N  | 18E  | 7300  |
| 19K6       | Glenbrook #2          | 13   | 14N  | 18E  | 6900  |
| 19L3M5     | Hagans Meadow (CA)    | 36   | 12N  | 18E  | 8000  |
| 19L245     | Heavenly Valley (CA)  | 1    | 12N  | 18E  | 8850  |
| 20L4       | Lake Lucille (CA)     | 28   | 12N  | 17E  | 8200  |
| 19K4M5     | Marlette Lake         | 18   | 15N  | 19E  | 8000  |
| 20L3       | Richardsons #2 (CA)   | 6    | 12N  | 18E  | 6500  |
| 20L1       | Rubicon #1 (CA)       | 6    | 13N  | 17E  | 8100  |
| 20L2       | Rubicon #2 (CA)       | 6    | 13N  | 17E  | 7500  |
| 20K16      | Tahoe City (CA)       | 6    | 15N  | 17E  | 6250  |
| 20K26      | Tahoe City Alt. (CA)  | 7    | 15N  | 17E  | 6300  |
| 20K275     | Tahoe City Cross (CA) | 1    | 15N  | 16E  | 6750  |
| 19L1       | Upper Truckee (CA)    | 21   | 12N  | 18E  | 6400  |
| 20K17M     | Ward Creek (CA)       | 21   | 15N  | 16E  | 7000  |
| 20K255     | Ward Creek #2 (CA)    | 21   | 15N  | 16E  | 6750  |

|               |                         |    |     |     |      |
|---------------|-------------------------|----|-----|-----|------|
| TRUCKEE RIVER |                         |    |     |     |      |
| 20K14         | Boca #2 (CA)            | 28 | 19N | 17E | 5900 |
| 20K22         | Brookway Summit (CA)    | 3  | 17N | 16E | 7100 |
| 20K21         | Donner Park #2 (CA)     | 18 | 17N | 16E | 6000 |
| 20K10         | Donner Summit (CA)      | 25 | 17N | 14E | 6900 |
| 20K7*         | Fortyfive Lake (CA)     | 34 | 18N | 13E | 6500 |
| 20K8*         | Furnace Flat (CA)       | 10 | 17N | 13E | 6700 |
| 20K4M5        | Independence Camp (CA)  | 34 | 19N | 15E | 7000 |
| 20K35         | Independence Creek (CA) | 14 | 19N | 15E | 6500 |
| 20K55         | Independence Lake (CA)  | 9  | 18N | 15E | 8450 |
| 19K3          | Little Valley           | 17 | 16N | 19E | 6300 |
| 19K25         | Mt. Rose                | 7  | 17N | 19E | 9000 |
| 19K7          | Mt. Rose Ski Area       | 30 | 17N | 19E | 9000 |
| 20K6          | Sage Hen Creek (CA)     | 7  | 18N | 16E | 6500 |
| 20K19         | Squaw Valley #2 (CA)    | 6  | 15N | 16E | 7500 |
| 20K135        | Truckee #2 (CA)         | 22 | 17N | 16E | 6400 |
| 20K2*         | Webber Lake (CA)        | 29 | 19N | 14E | 7000 |
| 20K1*         | Webber Peak (CA)        | 30 | 19N | 14E | 8000 |

|              |                         |    |     |     |      |
|--------------|-------------------------|----|-----|-----|------|
| CARSON RIVER |                         |    |     |     |      |
| 19L5         | Blue Lakes (CA)         | 30 | 9N  | 19E | 8000 |
| 19L4         | Carson Pass, Upper (CA) | 22 | 10N | 18E | 8600 |
| 19K5         | Clear Creek             | 6  | 14N | 19E | 7300 |
| 19L195       | Ebbetts Pass (CA)       | 17 | 8N  | 20E | 8700 |
| 19L16a       | Fish Valley, Upper (CA) | 1  | 7N  | 22E | 8050 |
| 19L06S       | Poison Flat (CA)        | 25 | 8N  | 21E | 7900 |
| 19L18AS      | Wet Meadows Lake (CA)   | 26 | 9N  | 19E | 8100 |
| 19L20a       | Wolf Creek (CA)         | 35 | 8N  | 20E | 8000 |

|              |                           |    |    |     |      |
|--------------|---------------------------|----|----|-----|------|
| WALKER RIVER |                           |    |    |     |      |
| 19L11        | Buckeye Forks (CA)        | 20 | 4N | 23E | 8500 |
| 19L10        | Buckeye Roughs (CA)       | 15 | 4N | 23E | 7900 |
| 19L12        | Center Mountain (CA)      | 4  | 3N | 23E | 9400 |
| 19L8         | Leavitt Meadows (CA)      | 4  | 5N | 22E | 7200 |
| 19L175A      | Lobdell Lake (CA)         | 20 | 7N | 24E | 9200 |
| 19L34        | Sawmill Ridge (CA)        | 17 | 3N | 24E | 8750 |
| 19L75        | Sonora Pass (CA)          | 1  | 5N | 21E | 8800 |
| 19M1*        | Tioqa Pass (CA)           | 30 | 1N | 25E | 9900 |
| 19L13        | Virginia Lakes (CA)       | 5  | 2N | 25E | 9500 |
| 19L22MS      | Virginia Lakes Ridge (CA) | 32 | 2N | 25E | 9200 |
| 19L9         | Willow Flat (CA)          | 21 | 5N | 23E | 8250 |

|                      |                   |    |     |     |      |
|----------------------|-------------------|----|-----|-----|------|
| COLORADO             |                   |    |     |     |      |
| LOWER COLORADO RIVER |                   |    |     |     |      |
| 15N5                 | Kyle Canyon       | 27 | 19S | 56E | 8200 |
| 15N3                 | Lee Canyon #2     | 9  | 19S | 56E | 9200 |
| 15N8                 | Lee Canyon #3     | 10 | 19S | 56E | 8500 |
| 14M1                 | Mathew Canyon     | 10 | 6S  | 70E | 6000 |
| 14M2                 | Pine Canyon       | 23 | 6S  | 69E | 6200 |
| 15N7                 | Rainbow Canyon #2 | 6  | 20S | 57E | 8100 |
| 15L1                 | White River #1    | 31 | 13N | 59E | 7400 |

|                            |  |
|----------------------------|--|
| LEGEND                     |  |
| NUMBERING SYSTEM (EXAMPLE) |  |
| 19KA                       | Snow Course Only                                   |
| 19K4S                      | Snow Course with <i>SNOTEL</i>                     |
| 19K4M                      | Snow Course and Soil Moisture                      |
| 19K4A                      | Snow Course and Aerial Marker                      |
| 19K4P                      | Snow Course and Storage Precipitation Gage         |
| 19K4MA                     | Snow Course, Soil Moisture and Aerial Marker       |
| 19K4MP                     | Snow Course, Soil Moisture, and Precipitation Gage |

Lower case letter "a" indicates no snow course, only an Aerial Marker.  
*SNOTEL* has telemetered data for snow pillow, precipitation gage and temperature.

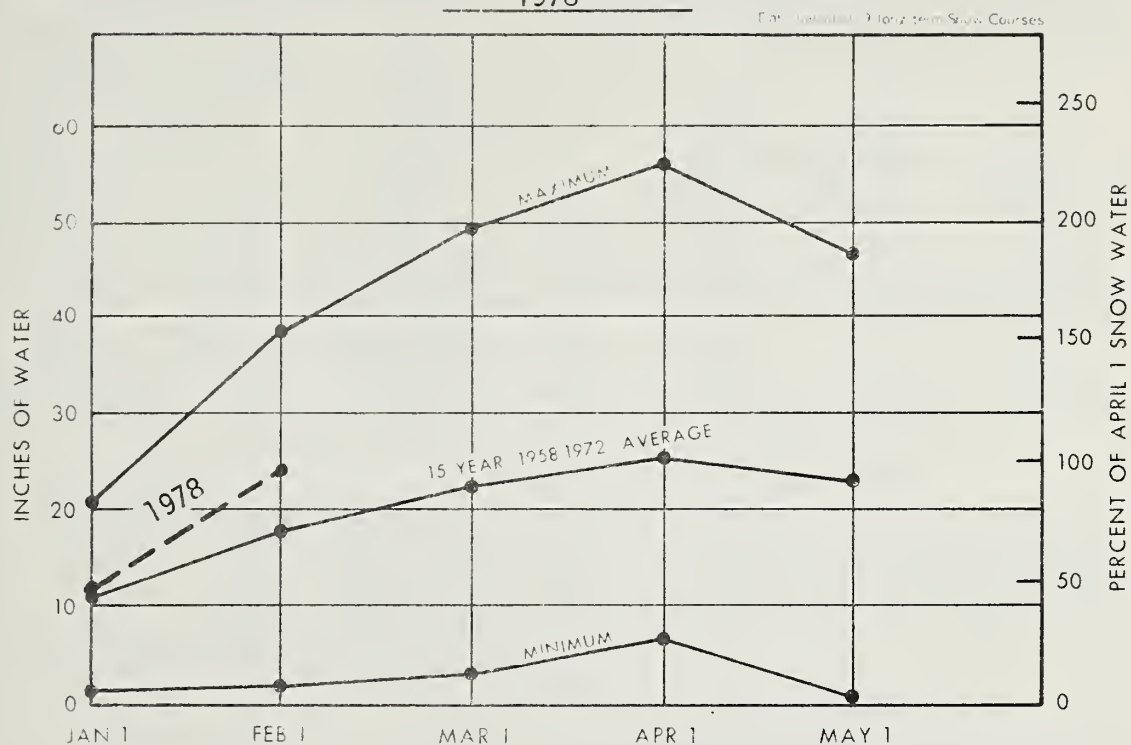


# WINTER SNOWPACK

## TAHOE, TRUCKEE, CARSON & WALKER BASINS

### NEVADA-CALIFORNIA

#### 1978

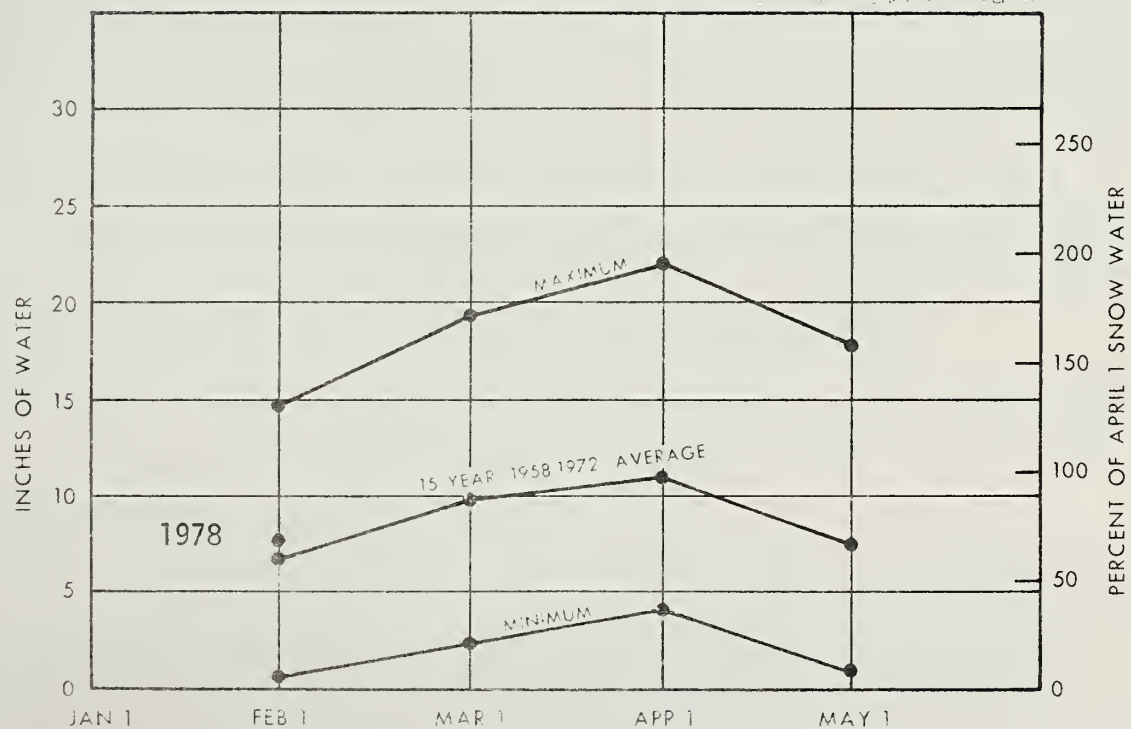


# WINTER SNOWPACK

## UPPER HUMBOLDT & SNAKE BASINS

### NEVADA

#### 1978



# STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1978

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1958-72 period.

| FORECAST POINT | Forecast Period | Forecast This Year | This Year as Percent of Average | Average + |
|----------------|-----------------|--------------------|---------------------------------|-----------|
|----------------|-----------------|--------------------|---------------------------------|-----------|

## TRUCKEE RIVER

|   |             |      |     |      |
|---|-------------|------|-----|------|
| Truckee River at Farad, CA <sup>1/ 2/</sup>                   | April-July  | 335  | 125 | 267  |
| Lake Tahoe Rise in Feet (assuming gates closed) <sup>1/</sup> | Feb. 1-High | 2.40 | 117 | 2.06 |
|   | Mar. 1-High | 2.08 | 120 | 1.74 |
|   | Apr. 1-High | 1.80 | 123 | 1.46 |
| Little Truckee River above Boca, CA <sup>1/</sup>             | April-July  | 100  | 112 | 89   |

## CARSON RIVER

|                                   |            |     |     |     |
|-----------------------------------|------------|-----|-----|-----|
| East Carson near Gardnerville, NV | April-July | 250 | 137 | 182 |
| West Carson at Woodfords, CA      | April-July | 70  | 135 | 52  |
| Carson River near Carson City, NV | April-July | 235 | 132 | 178 |
| Carson near Fort Churchill, NV    | April-July | 215 | 135 | 159 |

## WALKER RIVER

|  |            |     |     |     |
|--|------------|-----|-----|-----|
| East Walker near Bridgeport, CA <sup>3/</sup>      | April-Aug. | 100 | 147 | 68  |
| West Walker below Little Walker near Coleville, CA | April-July | 200 | 138 | 145 |

## HUMBOLDT RIVER

|                                       |            |     |     |     |
|---------------------------------------|------------|-----|-----|-----|
| Lamoille Creek near Lamoille, NV      | April-July | 28  | 100 | 28  |
| S. Fork Humboldt above Dixie Creek NV | April-July | 52  | 79  | 66  |
| Marys River above Hot Springs, NV     | April-July | 37  | 109 | 34  |
| N. Fork Humboldt at Devils Gate, NV   | April-July | 35  | 109 | 32  |
| Humboldt River at Palisade, NV        | April-July | 165 | 85  | 193 |
| Humboldt River at Comus, NV           | April-July | 115 | 77  | 149 |

## SNAKE RIVER

|  |            |    |     |    |
|--|------------|----|-----|----|
| Owyhee River near Gold Creek, NV <sup>4/</sup> | April-July | 23 | 128 | 18 |
| Owyhee near Owyhee, NV                         | April-July | 82 | 121 | 68 |

## COLORADO RIVER

|                                 |            |    |    |    |
|---------------------------------|------------|----|----|----|
| Virgin River at Virgin, UT      | April-June | 40 | 83 | 48 |
| Virgin River at Littlefield, AZ | April-June | 37 | 86 | 43 |

1. Forecast issued by Truckee Basin Water Committee
2. Observed flow plus change in storage in Boca, Stampede, Prosser Reservoir, Bonner, Independence and Martin Creek Lakes and minus the flow at Truckee River at Tahoe City, CA.
3. Observed flow plus change in storage in Bridgeport Reservoir
4. Observed flow plus change in storage in Wildhorse Reservoir

+ 1958-1972 period

# RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1978

| Basin or Stream | RESERVOIR  | Usable Capacity | Usable Storage |           |          |
|-----------------|------------|-----------------|----------------|-----------|----------|
|                 |            |                 | This Year      | Last Year | Average† |
| Owyhee          | Wild Horse | 72              | 23             | 44        | 17       |
| Lower Humboldt  | Rye Patch  | 172             | 46             | 104       | 86       |
| Colorado        | Mohave     | 1,810           | 1,682          | 1,676     | 1,669    |
| Colorado        | Mead       | 26,159          | 20,959         | 21,988    | 17,321   |
| Tahoe           | Tahoe      | 732             | 41             | 165       | 426      |
| Truckee         | Boca       | 41              | 19             | 24        | 10       |
| Truckee         | Stampede   | 220             | 31             | 42        | **       |
| Truckee         | Prosser*** | 30              | 4              | 0.1       | 8*       |
| Carson          | Lahontan   | 291             | 78             | 150       | 182      |
| West Walker     | Topaz      | 59              | 5.4            | 11        | 34       |
| East Walker     | Bridgeport | 42              | 8.4            | 11        | 28       |

\* Adjusted average.  
 \*\* Storage began August 1, 1969.  
 \*\*\* Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

## TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

| MONTH      | This Year | Last Year | Average † |
|------------|-----------|-----------|-----------|
| October 1  | 97        | 574       | 718       |
| January 1  | 124       | 488       | 714       |
| February 1 | 221       | 509       | 782       |
| March 1    |           |           | 843       |
| April 1    |           |           | 893       |
| May 1      |           |           | 934       |

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.  
 TOTAL USABLE CAPACITY 1409

## PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

| FORECAST POINT                                      | PEAK FLOW (SECOND FEET) |           |
|---|-------------------------|-----------|
|   | Forecast Range          | Average † |
| Peak flow forecasts not issued until March 1, 1978. |                         |           |

## FORECAST DATE of LOW FLOW VALUES

| FORECAST POINT                                    | Low Flow Value<br>Second/Ft. | Forecast Date<br>Stream Will Recede<br>to Low Flow Value | Average Date<br>of Low Flow<br>Value |
|---|------------------------------|--|--------------------------------------|
| Low flow forecast not issued until March 1, 1978. |                              |  |                                      |



# SNOW COURSE MEASUREMENTS

| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              | Elevation |                |                     |                        | Last Year              | Average † |

## LAKE TAHOE

|                       |      |         |     |      |     |       |
|-----------------------|------|---------|-----|------|-----|-------|
| Echo Peak (CA)        | 7800 | NS      |     |      | 5.3 | -     |
| Echo Summit (CA)      | 7450 | 1/31/78 | 73  | 25.0 | 4.8 | 23.8  |
| Freel Bench (CA)      | 7300 | 1/27/78 | 34  | 11.5 | 2.0 | 9.3*  |
| Glenbrook #2          | 6900 | 1/31/78 | 31  | 10.1 | 2.1 | 8.0   |
| Hagans Meadow         | 8000 | 1/27/78 | 58  | 19.0 | 2.4 | 12.9  |
| Heavenly Valley       | 8800 | 1/24/78 | 80  | 21.2 | 3.0 | 17.4* |
| Lake Lucille (CA)     | 8200 | NS      |     |      | -   | -     |
| Marlette Lake         | 8000 | 1/23/78 | 68  | 20.3 | 3.5 | 13.6  |
| Richardsons #2 (CA)   | 6500 | 1/29/78 | 43  | 14.4 | 2.8 | 11.4  |
| Rubicon #1            | 8100 | NS      |     |      | -   | -     |
| Rubicon #2 (CA)       | 7500 | NS      |     |      | -   | -     |
| Tahoe City Cross (CA) | 6750 | 1/30/78 | 48  | 18.4 | 4.4 | -     |
| Upper Truckee (CA)    | 6400 | 1/27/78 | 29  | 9.5  | 1.6 | 7.8   |
| Ward Creek #2 (CA)    | 7000 | 1/23/78 | 103 | 36.1 | 6.0 | 26.8  |
| Ward Creek #3 (CA)    | 6750 | 1/23/78 | 91  | 33.0 | 7.3 | -     |
| Fallen Leaf           | 6300 | 1/27/78 | 26  | 8.5  | -   | -     |

## TRUCKEE RIVER

|                         |      |         |     |      |     |       |
|-------------------------|------|---------|-----|------|-----|-------|
| Boca #2 (CA)            | 5900 | 1/29/78 | 19  | 6.3  | 1.3 | 5.2   |
| Brockway Summit (CA)    | 7100 | 1/30/78 | 55  | 19.0 | 3.4 | 15.0* |
| Castle Creek            | 7400 | 1/30/78 | 125 | 47.9 | 6.1 | 33.1  |
| Donner Park #2 (CA)     | 6000 | 1/29/78 | 38  | 12.9 | 3.1 | 12.1* |
| Donner Summit (CA)      | 6900 | 1/25/78 | 110 | 40.7 | 5.0 | 23.3* |
| Fordyce Lake (CA)       | 6500 | 1/24/78 | 98  | 39.4 | 6.4 | 12.2* |
| Furnace Flat (CA)       | 6700 | 1/24/78 | 123 | 56.0 | 8.0 | 26.2* |
| Independence Camp (CA)  | 7000 | 1/23/78 | 66  | 20.6 | 2.9 | 17.1  |
| Independence Creek (CA) | 6500 | 1/23/78 | 42  | 12.6 | 2.0 | -     |
| Independence Lake (CA)  | 8450 | 1/26/78 | 110 | 37.4 | 4.4 | -     |
| Little Valley           | 6300 | 1/27/78 | 24  | 7.3  | 1.8 | -     |
| Mount Rose              | 9000 | NS      |     |      | 5.1 | -     |
| Mount Rose Ski Area     | 8850 | 1/26/78 | 112 | 39.2 | 6.7 | -     |
| Sage Hen Creek (CA)     | 6500 | 1/23/78 | 55  | 17.3 | 2.7 | 12.6  |
| Squaw Valley #2 (CA)    | 7500 | 1/23/78 | 134 | 46.8 | 7.3 | 33.8  |
| Truckee #2 (CA)         | 6400 | 1/30/78 | 37  | 13.0 | 2.9 | 10.8  |
| Webber Lake (CA)        | 7000 | NS      |     |      | -   | -     |
| Webber Peak (CA)        | 8000 | NS      |     |      | -   | -     |

## CARSON RIVER

|                          |      |         |     |       |      |      |
|--------------------------|------|---------|-----|-------|------|------|
| Blue Lakes (CA)          | 8000 | 1/26/78 | 114 | 39.9a | 7.0a | -    |
| Carson Pass, Upper (CA)  | 8600 | 1/27/78 | 83  | 31.0  | 3.6  | 22.1 |
| Clear Creek              | 7300 | 1/27/78 | 38  | 11.9  | 2.6  | -    |
| Ebbetts Pass AM (CA)     | 8700 | 1/24/78 | 91  | 33.7  | 2.7a | 22.5 |
| Ebbetts Pass #2 (CA)     | 8700 | 1/24/78 | 97  | 36.0  | 4.6  | -    |
| Fish Valley, Upper (CA)  | 8050 | 1/24/78 | 43  | 13.3  | 2.2a | 10.4 |
| Poison Flat (CA)         | 7900 | 1/24/78 | 53  | 16.4  | 2.9  | 10.4 |
| Wet Meadows Lake AM (CA) | 8050 | 1/24/78 | 80  | 29.4  | 4.3a | 18.7 |
| Wet Meadows #2 (CA)      | 8050 | 1/24/78 | 94  | 34.7  | 4.6  | -    |
| Wolk Creek AM (CA)       | 8000 | 1/24/78 | 72  | 24.5  | 2.7a | 23.1 |

# SNOW COURSE MEASUREMENTS

| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                              | Elevation |                |                     |                        | Last Year              | Average † |

## WALKER RIVER

|                           |      |         |     |      |     |       |
|---------------------------|------|---------|-----|------|-----|-------|
| Buckeye Roughs (CA)       | 7900 | NS      | -   | -    | -   | -     |
| Center Mountain (CA)      | 9400 | 1/24/78 | 104 | 33.0 | 4.0 | 22.0* |
| Leavitt Meadow (CA)       | 7200 | 1/24/78 | 39  | 12.7 | -   | -     |
| Lobdell Lake (CA)         | 9200 | 1/24/78 | 62  | 19.1 | 2.1 | 12.3* |
| Sawmill Ridge (CA)        | 8750 | 1/24/78 | 71  | 21.6 | 2.3 | -     |
| Sonora Pass (CA)          | 8800 | 1/24/78 | 73  | 23.9 | 3.2 | 15.8  |
| Tioga Pass (CA)           | 9900 | 1/30/78 | 83  | 33.9 | 4.7 | 16.3  |
| Virginia Lakes (CA)       | 9500 | 1/24/78 | 58  | 17.4 | 3.1 | 10.6  |
| Virginia Lakes Ridge (CA) | 9200 | 1/24/78 | 62  | 18.5 | 2.5 | -     |
| Willow Flat (CA)          | 9900 | 1/24/78 | 36  | 11.6 | 1.6 | -     |

## NORTHERN GREAT BASIN

|                          |      |         |    |      |      |       |
|--------------------------|------|---------|----|------|------|-------|
| Bald Mountain AM         | 6720 | 1/25/78 | 15 | 4.5a | 0.8a | -     |
| Barber Creek (CA)        | 6500 | 1/26/78 | 29 | 9.2  | 3.0  | 7.9   |
| Cedar Pass (CA)          | 7100 | 1/25/78 | 30 | 9.7  | 5.0  | 10.6* |
| Denio Creek AM (OR)      | 6000 | 1/27/78 | 12 | 3.5  | 0.1a | 0.6*  |
| Disaster Peak            | 6500 | NS      | -  | -    | -    | -     |
| Dismal Swamp AM (CA)     | 7000 | 1/25/78 | 58 | 17.4 | 2.6a | 10.1  |
| Eagle Peak (CA)          | 7200 | NS      | -  | -    | -    | -     |
| 49 Mountain              | 6000 | 1/27/78 | 19 | 5.6  | 1.6  | 3.1   |
| Hays Canyon              | 6400 | 1/26/78 | 19 | 5.4  | 1.4  | 2.8   |
| Little Bally Mountain AM | 6000 | 1/25/78 | 21 | 6.3a | 1.5a | 2.0*  |
| Mount Bidwell            | 7240 | NS      | -  | -    | -    | -     |
| North Star               | 6200 | NS      | -  | -    | -    | -     |
| Oregon Canyon AM (OR)    | 7240 | 1/24/78 | 16 | 4.8a | 0.1a | 3.5*  |
| Quinn Ridge AM           | 6300 | 1/24/78 | 9  | 2.7a | 0.1a | 1.4*  |
| Reservation Creek (CA)   | 5900 | 1/27/78 | 31 | 10.1 | 2.5  | 8.0   |
| Trout Creek AM (OR)      | 7800 | 1/24/78 | 37 | 11.1 | 0.6a | 3.9*  |

## SNAKE RIVER

|                           |      |         |    |       |      |      |
|---------------------------|------|---------|----|-------|------|------|
| Bear Creek                | 7800 | 1/27/78 | 50 | 14.8a | 1.9a | 13.1 |
| Fox Creek                 | 6800 | NS      | -  | -     | -    | -    |
| Goat Creek                | 8800 | 1/28/78 | 41 | 11.8  | 1.8a | 10.0 |
| Hummingbird Springs       | 8945 | 1/27/78 | 48 | 13.9a | 3.9a | 14.9 |
| Merritt Mountain AM       | 7000 | 1/27/78 | 18 | 4.5a  | 0.6a | 3.9* |
| Pole Creek Ranger Station | 8330 | 1/28/78 | 40 | 11.6  | 3.3  | 12.3 |
| Red Point                 | 7940 | NS      | -  | -     | -    | 5.9* |
| 76 Creek                  | 7100 | 1/27/78 | 34 | 8.8a  | 0.6a | 7.6  |
| Stag Mountain AM          | 7700 | 1/27/78 | 18 | 5.0a  | 0.3a | 3.2* |

# SNOW COURSE MEASUREMENTS

| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              | Elevation |                |                     |                        | Last Year              | Average † |

## OWYHEE RIVER

|                      |      |         |      |       |      |       |
|----------------------|------|---------|------|-------|------|-------|
| Big Bend             | 6700 | 1/25/78 | 24   | 6.6   | 0.6  | 5.7   |
| Columbia Basin AM    | 6650 | 1/27/78 | 42.0 | 10.9a | 0.3a | 6.8*  |
| Fawn Creek AM        | 7000 | 1/27/78 | 58   | 15.1a | 0.7a | 10.4* |
| Gold Creek           | 6600 | 1/25/78 | 15   | 3.3   | 0.5  | 3.8   |
| Jack Creek, Lower    | 6800 | 1/25/78 | 11   | 3.1   | -    | -     |
| Jack Creek, Upper    | 7250 | 1/25/78 | 23   | 6.1   | 1.4  | 4.7   |
| Jacks Peak           | 8420 | 1/25/78 | 48   | 15.7  | 4.4  | -     |
| Laurel Draw          | 6700 | 1/25/78 | 21   | 4.8   | 0.7  | -     |
| Louse Canyon AM (OR) | 6440 | 1/24/78 | 21   | 6.3a  | 0.1a | -     |
| Taylor Canyon        | 6200 | 1/30/78 | 17   | 3.8   | 0.3  | 3.6   |

## UPPER HUMBOLDT RIVER

|                    |      |         |    |       |      |       |
|--------------------|------|---------|----|-------|------|-------|
| American Beauty AM | 7800 | 1/27/78 | 19 | 4.4a  | 2.2a | 5.6*  |
| Corral Canyon      | 8500 | 1/27/78 | 29 | 8.1a  | 2.3a | 6.2*  |
| Dorsey Basin       | 8100 | 1/25/78 | 28 | 6.8   | 2.2  | -     |
| Dry Creek          | 6500 | NS      | -  | -     | -    | -     |
| Fry Canyon         | 6700 | 1/25/78 | 17 | 4.6   | 0.9  | 4.9   |
| Green Mountain     | 8000 | NS      | -  | -     | -    | -     |
| Harrison Pass #1   | 6600 | NS      | -  | -     | -    | -     |
| Harrison Pass #2   | 7400 | NS      | -  | -     | -    | -     |
| Lamoille #1        | 7100 | 1/25/78 | 19 | 3.7   | 1.1  | 5.8   |
| Lamoille #3        | 7700 | 1/25/78 | 31 | 7.2   | 1.6  | 7.6   |
| Lamoille #5        | 8700 | 1/25/78 | 59 | 18.2  | 3.2  | 16.5* |
| Pole Canyon        | 7700 | NS      | -  | -     | 2.9  | -     |
| Robinson Lake AM   | 9200 | 1/27/78 | 91 | 25.5a | 2.6a | 15.7* |
| Rodeo Flat         | 6800 | 1/25/78 | 14 | 3.9   | 0.6  | 3.9   |
| Ryan Ranch         | 5800 | 1/25/78 | 8  | 1.6   | -    | -     |
| Smith Creek        | 7700 | NS      | -  | -     | 2.4  | -     |
| Tent Mountain AM   | 7000 | 1/27/78 | 30 | 7.3   | 0.8a | -     |
| Tent Mountain AM   | 8350 | 1/27/78 | 55 | 13.4  | -    | -     |
| Tremewan Ranch     | 5700 | 1/30/78 | 10 | 2.4   | 0.1  | 1.2   |
| Trout Creek, Lower | 6900 | NS      | -  | -     | -    | -     |
| Trout Creek, Upper | 8500 | 1/27/78 | 45 | 12.6a | 3.6a | 10.2  |

## LOWER HUMBOLDT RIVER

|            |      |         |    |       |      |     |
|------------|------|---------|----|-------|------|-----|
| Midas AM   | 7200 | 1/27/78 | 18 | 4.9a  | 0.0a | 2.4 |
| Toe Jam AM | 7700 | 1/27/78 | 39 | 10.4a | 0.2a | 6.4 |



# SNOW COURSE MEASUREMENTS

| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              | Elevation |                |                     |                        | Last Year              | Average † |

## EASTERN NEVADA

|                     |      |         |    |      |      |      |
|---------------------|------|---------|----|------|------|------|
| Baker #1            | 7950 | 1/24/78 | 16 | 3.2  | 0.6  | -    |
| Baker #2            | 8950 | 1/24/78 | 29 | 6.4  | 1.7  | -    |
| Baker #3 AM         | 9250 | 1/30/78 | 32 | 6.7  | 3.4a | 8.3* |
| Berry Creek         | 9100 | 1/21/78 | 26 | 5.4  | -    | -    |
| Bird Creek          | 7500 | 1/21/78 | 14 | 3.1  | -    | -    |
| Hole-in-Mountain    | 7900 | NS      | -  | -    | -    | -    |
| Kalamazoo Creek     | 7400 | 2/1/78  | 20 | 5.3  | -    | -    |
| Mount Defiance AM   | 9400 | 1/30/78 | 42 | 9.2a | 2.4a | -    |
| Murray Summit       | 7250 | NS      | -  | -    | -    | -    |
| Robinson Summit     | 7600 | NS      | -  | -    | -    | -    |
| Silver Creek #2 AM  | 8000 | 1/30/78 | 13 | 2.8a | 1.8a | 4.5* |
| Ward Mountain #2 AM | 7400 | 1/31/78 | 19 | 4.0  | 1.8a | 4.7* |
| White River #1      | 7400 | NS      | -  | -    | -    | -    |

## CENTRAL GREAT BASIN

|                       |       |         |    |     |     |      |
|-----------------------|-------|---------|----|-----|-----|------|
| Campito Mountain (CA) | 10200 | NS      | -  | -   | 0.9 | 3.4* |
| Chiatovich Flat AM    | 10500 | NS      | -  | -   | -   | 1.8* |
| Clark Canyon          | 9000  | NS      | -  | -   | -   | -    |
| Montgomery Pass       | 7100  | 1/30/78 | 17 | 4.1 | 0.9 | 1.0  |
| Pinchot Creek AM      | 9300  | NS      | -  | -   | -   | 0.2* |
| Piute Pass AM         | 11700 | NS      | -  | -   | -   | 2.1* |
| Trough Springs        | 8500  | NS      | -  | -   | -   | -    |

## LOWER COLORADO RIVER

|                   |      |         |    |     |     |      |
|-------------------|------|---------|----|-----|-----|------|
| Kyle Canyon       | 8200 | NS      | -  | -   | -   | -    |
| Lee Canyon #2     | 9000 | NS      | -  | -   | -   | -    |
| Lee Canyon #3     | 8500 | NS      | -  | -   | -   | -    |
| Mathew Canyon     | 6000 | 1/30/78 | 11 | 3.2 | 0.7 | 1.7  |
| Pine Canyon       | 6200 | 1/30/78 | 12 | 3.2 | 0.9 | 2.2* |
| Rainbow Canyon #2 | 8100 | NS      | -  | -   | -   | -    |

NS Not scheduled this month

\* Adjacent basin

NOTE:  
All averages based on 1958-72, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1958-72 adjusted average.

† 1958-1972 period

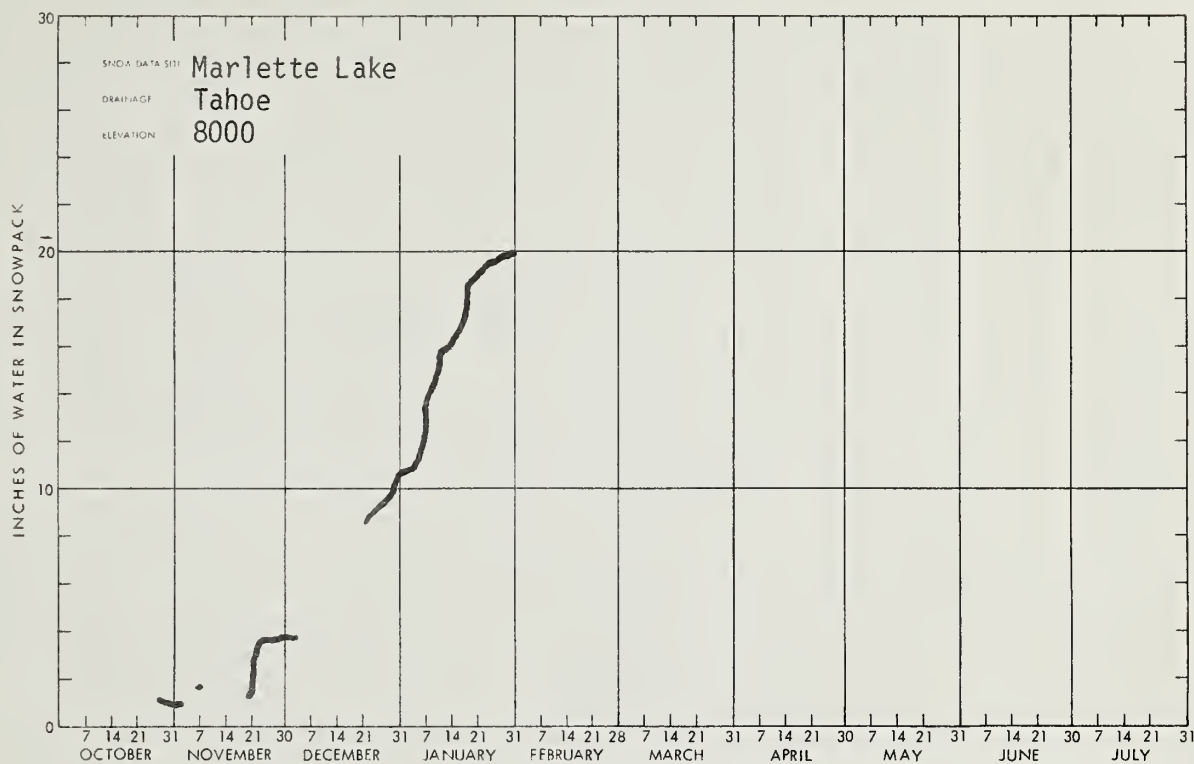
## PRECIPITATION (Inches)

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Last Year | This Year                  | Last Year | Percent of<br>Average |
| <u>LAKE TAHOE-TRUCKEE</u>                         |           |                     |                          |           |                            |           |                       |
| Echo Peak   | 7800      | NS                  | -                        | -         | -                          | 7.7       | -                     |
| Fallen Leaf                                       | 6240      | 1/27/78             | 7.5                      | 0.2       | 21.0                       | 4.3       | -                     |
| Hagans Meadow                                     | 8000      | 1/27/78             | 7.8                      | 2.3       | 21.0                       | 5.0       | -                     |
| Heavenly Valley                                   | 8800      | 1/24/78             | 6.6                      | -         | 20.3                       | -         | -                     |
| Independence Camp                                 | 7000      | 1/23/78             | 11.6                     | 2.1       | 23.0                       | 4.3       | -                     |
| Independence Creek                                | 6500      | 1/23/78             | 11.7                     | 3.3       | 22.8                       | 6.8       | -                     |
| Independence Lake                                 | 8450      | 1/26/78             | 9.9                      | 2.5       | 22.0                       | 9.7       | -                     |
| Marlette Lake                                     | 8000      | 1/23/78             | 7.8                      | 2.2       | 22.9                       | 5.6       | -                     |
| Mount Rose  | 9000      | NS                  | -                        | -         | -                          | 3.4       | -                     |
| Tahoe City Cross                                  | 6750      | 1/30/78             | 9.0                      | 1.7       | 19.0                       | 5.8       | -                     |
| Truckee #2  | 6400      | 1/30/78             | -                        | -         | 8.6                        | 3.4       | -                     |
| Ward Creek #3                                     | 6750      | 1/23/78             | 19.0                     | 4.4       | 38.0                       | 11.5      | -                     |
| <u>CARSON RIVER</u>                               |           |                     |                          |           |                            |           |                       |
| Ebbetts Pass                                      | 8750      | 1/24/78             | 9.7                      | 2.4       | 25.3                       | 8.3       | -                     |
| Poison Flat                                       | 7900      | 1/24/78             | 6.3                      | 2.8       | 17.4                       | -         | -                     |
| Wet Meadows                                       | 8050      | 1/24/78             | 6.5                      | 2.4       | 17.6                       | 6.4       | -                     |
| <u>WALKER RIVER</u>                               |           |                     |                          |           |                            |           |                       |
| Lobdell Lake                                      | 9200      | 1/24/78             | -                        | -         | 17.6                       | 2.0       | -                     |
| Sonora Pass                                       | 8800      | 1/24/78             | 7.5                      | 2.3       | 20.6                       | 9.0       | -                     |
| Virginia Lakes Ridge                              | 9200      | 1/24/78             | 6.8                      | 9.1       | 19.5                       | -         | -                     |
| <u>HUMBOLDT RIVER</u>                             |           |                     |                          |           |                            |           |                       |
| Corral Canyon                                     | 2500      | NS                  | -                        | -         | -                          | -         | -                     |
| Dorsey Basin                                      | 8100      | 1/25/78             | -                        | -         | 11.4                       | 5.5       | -                     |
| Green Mountain                                    | 8000      | NS                  | -                        | -         | -                          | -         | -                     |
| Lamoille #3                                       | 7700      | 1/25/78             | -                        | -         | 11.1                       | 5.3       | -                     |
| Midas AM  | 7200      | NS                  | -                        | -         | -                          | -         | -                     |
| Rodeo Flat  | 6800      | 1/25/78             | 7.1                      | 0.7       | 12.0                       | 4.5       | 148                   |
| Trout Creek, Lower                                | 6900      | NS                  | -                        | -         | -                          | -         | -                     |
| <u>OWYHEE RIVER</u>                               |           |                     |                          |           |                            |           |                       |
| Big Bend  | 6700      | 1/25/78             | -                        | -         | 8.1                        | 8.4       | 87                    |
| Jacks Peak  | 8420      | 1/25/78             | -                        | -         | 13.0                       | 14.5      | -                     |
| Taylor Canyon                                     | 6200      | 1/25/78             | -                        | -         | 5.3                        | 6.0       | 91                    |
| Upper Jack Creek                                  | 7250      | 1/25/78             | -                        | -         | 9.2                        | 12.2      | -                     |
| <u>EASTERN NEVADA</u>                             |           |                     |                          |           |                            |           |                       |
| Berry Creek                                       | 9100      | 1/21/78             | -                        | -         | 4.2                        | -         | -                     |
| <u>SNAKE RIVER</u>                                |           |                     |                          |           |                            |           |                       |
| Goat Creek  | 8800      | 1/28/78             | 6.0                      | -         | 13.2                       | 4.8       | -                     |
| <u>SUPRISE VALLEY</u>                             |           |                     |                          |           |                            |           |                       |
| Cedar Pass  | 7100      | 1/25/78             | 3.3                      | -         | 14.3                       | -         | -                     |

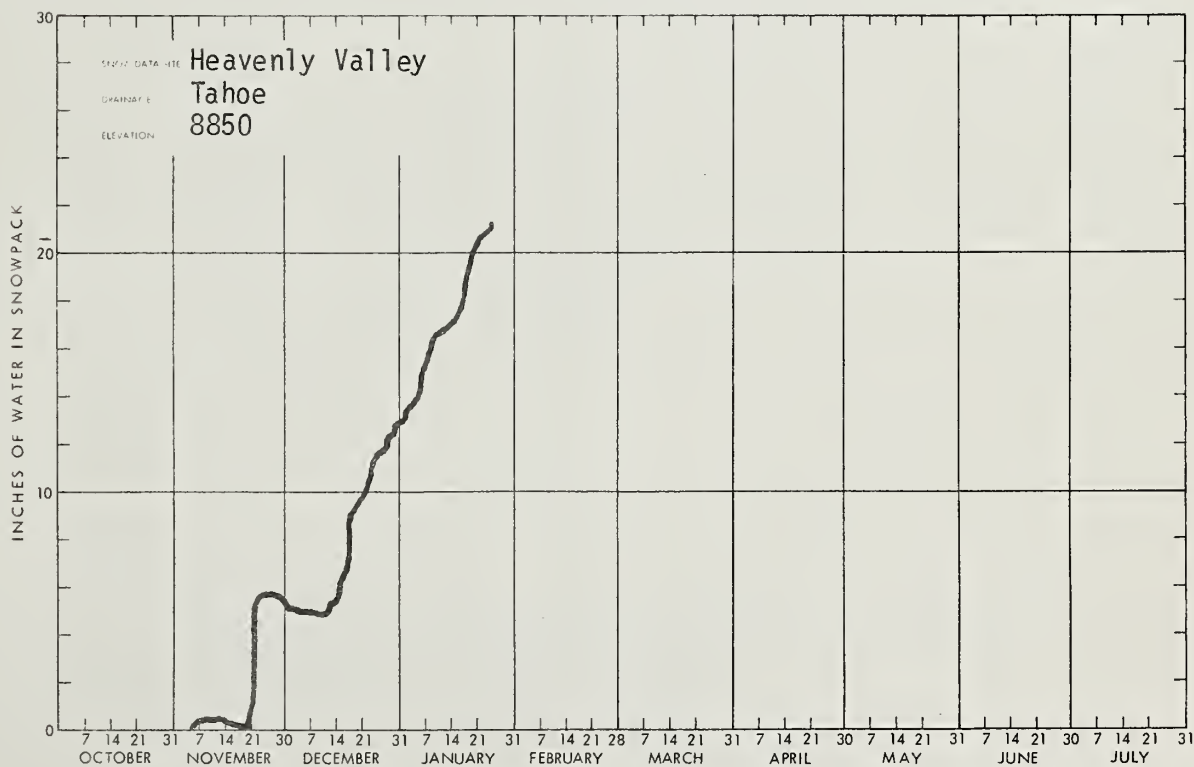


# SNOW PILLOW MEASUREMENTS

WSFB-X-18



WSFB-X-15





## Agencies Cooperating in Collecting Data Contained in this Bulletin

### FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

### STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

### PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

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## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*